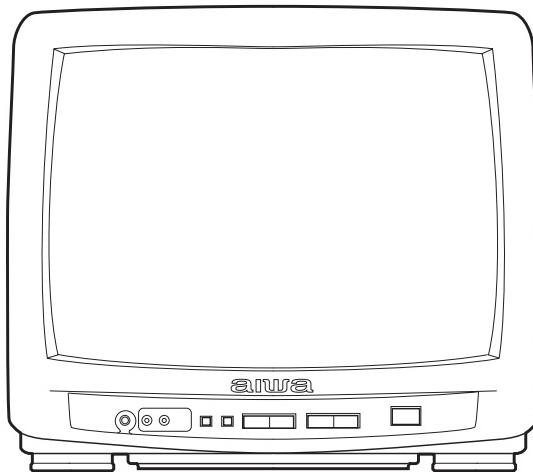




**TV-C1300** **UA**



# SERVICE MANUAL

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COLOR TELEVISION

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- The Correction Service Manual is issued because of some errors in Service Manual of MODEL NAME TV-C1300 (UA),  
(S/M Code No. 09-99B-417-3R1).

**aiwa**  
S/M Code No. 09-003-417-3C1

CORRECTION  
DATA

# ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C101	87-016-636-080	CAP, E 4.7-50 SSL	
8Z-JB1-621-010	IC,M37272M8-164SP			C102	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A90-297-010	RCR UNIT,SBX1981-52			C103	87-016-575-080	CAP, E 220-16 SSL	
87-A21-392-010	IC,S-93C66ADP-1A			C105	87-016-637-080	CAP, E 10-50 SSL	
87-A20-611-080	IC,M51943BSL-700A			C106	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A20-362-010	IC,LA7676D			C107	87-A10-207-080	CAP,TCS 0.01-50 KB UP050	
87-A20-364-010	IC,KIA7809PI			C203	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A20-734-010	IC,TDA2007A			C204	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-002-577-010	IC,LA7953			C205	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-001-647-080	IC,NJM78L12A			C207	87-016-632-080	CAP, E 0.47-50 SSL	
87-002-524-010	IC,LA7837			C208	87-018-131-080	CAP,CER 1000P-50V	
87-017-956-010	IC,BA7611AN			C210	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A20-980-010	IC,STR-S6707N			C211	87-A10-585-080	CAP,CER 18P-50 J CH	
87-020-881-080	IC,NJM78L05A			C214	87-018-134-080	CAPACITOR,TC-U 0.01-16	
				C215	87-016-637-080	CAP, E 10-50 SSL	
TRANSISTOR				C216	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A30-091-080	FET,2SJ460			C218	87-016-583-080	CAP, E 100-25 SSL	
89-111-755-080	TR,2SA1175F			C219	87-018-134-080	CAPACITOR,TC-U 0.01-16	
89-327-854-080	TR,2SC2785F			C301	87-016-583-080	CAP, E 100-25 SSL	
89-337-794-580	TR,2SC3779D/E			C302	87-016-632-080	CAP, E 0.47-50 SSL	
87-A30-090-080	FET,2SK2541			C303	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A30-095-010	TR,2SD2333			C305	87-016-583-080	CAP, E 100-25 SSL	
89-334-674-580	TR,2SC3467D/E			C306	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A30-041-110	TR,SE115N			C309	87-016-634-080	CAP, E 2.2-50 SSL	
87-A30-005-010	TR,2SC2688M/L			C312	87-016-637-080	CAP, E 10-50 SSL	
DIODE				C314	87-018-125-080	CAP,CER 330P-50V	
△				C315	87-016-632-080	CAP, E 0.47-50 SSL	
87-070-345-080	DIODE,IN4148			C316	87-016-633-080	CAP, E 1-50 SSL	
87-070-150-080	ZENER,MTZJ33D			C319	87-018-130-080	CAP,TC-U 820P-50 B	
87-070-274-080	DIODE,1N4003 SEM			C320	87-016-627-080	CAP, E 47-16 SSL	
87-A40-286-080	DIODE,RGP10JE-5025			C321	87-016-634-080	CAP, E 2.2-50 SSL	
87-A40-690-080	ZENER,MTZJ11B			C322	87-016-633-080	CAP, E 1-50 SSL	
87-A40-004-080	ZENER,MTZJ16A			C323	87-016-636-080	CAP, E 4.7-50 SSL	
87-A40-328-010	DIODE,GBU4JL			C325	87-018-134-080	CAPACITOR,TC-U 0.01-16	
87-A40-286-050	DIODE,RGP10JE-5025			C326	87-018-113-080	CAP,CER 33P-50V	
87-A40-450-090	DIODE,RU1P			C327	87-016-633-080	CAP, E 1-50 SSL	
87-A40-354-090	DIODE,UF3GL-6251			C328	87-018-115-080	CAP,CER 47P-50V	
87-A40-440-080	ZENER,MTZJ7.5A			C329	87-016-637-080	CAP, E 10-50 SSL	
MAIN C.B				C330	87-018-194-080	CAP,TC-U 91P-50 B	
				C332	87-018-134-080	CAPACITOR,TC-U 0.01-16	
BT301	87-JBG-625-010	CONN ASSY,5P V WHT TV-NK		C333	87-018-118-080	CAP,TC-U 82P-50 B	
BT401	8Z-JBJ-606-010	CONN ASSY,2P V W SPMONO		C334	87-018-134-080	CAPACITOR,TC-U 0.01-16	
BT403	87-JBC-624-010	CONN ASSY,9P V JK		C336	87-018-134-080	CAPACITOR,TC-U 0.01-16	
C1	87-016-624-080	CAP, E 10-16 SSL		C337	87-018-134-080	CAPACITOR,TC-U 0.01-16	
C2	87-018-119-080	CAP,CER 100P-50V		C401	87-016-586-080	CAP, E 470-25 SSL	
C3	87-018-134-080	CAPACITOR,TC-U 0.01-16		C403	87-016-586-080	CAP, E 470-25 SSL	
C4	87-016-633-080	CAP, E 1-50 SSL		C405	87-A10-776-080	CAP, E 1000-25 M 105 KMG	
C5	87-016-583-080	CAP, E 100-25 SSL		C406	87-016-621-080	CAP, E 220-10 SSL	
C6	87-018-134-080	CAPACITOR,TC-U 0.01-16		C407	87-016-621-080	CAP, E 220-10 SSL	
C9	87-018-128-080	CAP,CERA-SOL SS 560P		C408	87-016-627-080	CAP, E 47-16 SSL	
C10	87-018-131-080	CAP,CER 1000P-50V		C412	87-016-633-080	CAP, E 1-50 SSL	
C11	87-016-633-080	CAP, E 1-50 SSL		C414	87-016-637-080	CAP, E 10-50 SSL	
C12	87-018-209-080	CAP,CER 0.1-50V		C418	87-016-583-080	CAP, E 100-25 SSL	
C13	87-018-109-080	CAP,CER 22P-50V		C422	87-016-636-080	CAP, E 4.7-50 SSL	
C14	87-018-109-080	CAP,CER 22P-50V		C423	87-A10-831-080	CAP, E 1000-25 M SMG	
C15	87-018-109-080	CAP,CER 22P-50V		C424	87-016-632-080	CAP, E 0.47-50 SSL	
C16	87-018-109-080	CAP,CER 22P-50V		C425	87-016-632-080	CAP, E 0.47-50 SSL	
C17	87-018-109-080	CAP,CER 22P-50V		C426	87-016-637-080	CAP, E 10-50 SSL	
C18	87-018-109-080	CAP,CER 22P-50V		C427	87-016-586-080	CAP, E 470-25 SSL	
C19	87-018-131-080	CAP,CER 1000P-50V		C501	87-016-583-080	CAP, E 100-25 SSL	
C21	87-016-637-080	CAP, E 10-50 SSL		C504	87-016-591-080	CAP, E 100-35 SSL	
C22	87-016-633-080	CAP, E 1-50 SSL		C505	87-016-149-080	CAP, E 100-50 M 105 KME	
C23	87-016-637-080	CAP, E 10-50 SSL		C506	87-A10-367-080	CAP,CER 10P-500 J SL	
C25	87-016-633-080	CAP, E 1-50 SSL		C507	87-A10-402-080	CAP,M 0.22-100 J TF TYPE1	
C26	87-018-209-080	CAP,CER 0.1-50V		C508	87-016-634-080	CAP, E 2.2-50 SSL	
C29	87-018-123-080	CAP,CER 220P-50V		C509	87-016-135-010	CAP, E 1000-25 M 105 KME	
				C511	87-018-123-080	CAP,CER 220P-50V	
				C601	87-016-596-080	CAP, E 10-160 SSL	
				C602	87-016-635-080	CAP, E 3.3-50 SSL	
				C603	87-A10-457-080	CAP, E 2.2-160 M SSL	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
△ C604	87-016-597-080	CAP, E 22-160 SSL	L301 87-003-051-080 COIL, 470UH				
C605	87-012-399-080	CAP, CER 1500P-2KBN	L303 87-003-149-080 COIL, 47UH				
C606	87-A11-048-090	CAP, M/P 6800P-1.25K H PHS	L304 87-003-147-080 COIL, 22UH				
△ C607	87-010-974-080	CAP, CER 220P-500 B	L305 87-003-295-080 COIL, 10UH				
C609	87-016-583-080	CAP, E 100-25 SSL	L306 87-003-147-080 COIL, 22UH				
△ C610	87-016-594-090	CAP, E 1000-35 M SSL	L501 87-005-608-080 COIL, 33UH J LAV35				
△ C611	87-010-976-080	CAP, CER 1000P-500 B	L601 86-LBN-623-010 COIL, HLC 6LB-22				
△ C612	87-010-974-080	CAP, CER 220P-500 B	L603 87-A50-040-010 COIL, 2.2MH				
C616	87-A10-674-090	CAP, M/P 0.47-250 J	L802 87-A50-170-010 COIL, 390UH RCH106				
C701	87-016-633-080	CAP, E 1-50 SSL	L803 87-005-608-080 COIL, 33UH J LAV35				
C702	87-016-637-080	CAP, E 10-50 SSL	△ LF801 84-LB3-670-010 FLTR, LINE HL-24-822				
C705	87-016-637-080	CAP, E 10-50 SSL	△ P801 87-A30-096-010 P-COUPLER, TLP721F				
C707	87-016-633-080	CAP, E 1-50 SSL	△ P802 87-A30-096-010 P-COUPLER, TLP721F				
C708	87-016-637-080	CAP, E 10-50 SSL	△ PR601 87-035-495-080 FUSE, 0.75A 125V F 251				
C715	87-016-633-080	CAP, E 1-50 SSL	△ PR801 87-A90-409-080 FUSE, 1.5A 125V A 251				
C716	87-016-634-080	CAP, E 2.2-50 SSL	△ PR802 87-026-690-080 FUSE, 5A 125V 251				
△ C801	87-A10-688-090	CAP, M/P 0.22-275 K(B81133)	△ PR803 87-A91-526-080 FUSE, 0.375A 125V F251				
△ C802	87-A10-688-090	CAP, M/P 0.22-275 K(B81133)	R327 87-A00-161-090 RES, M/F 47-2W J RSF(S)				
C808	87-A11-941-090	CAP, E 220-400 KMH(25.4*40)	R401 87-A00-150-090 RES, M/F 220-1W J RSF(S)				
C809	87-016-584-080	CAP, E 220-25 SSL	R402 87-A00-150-090 RES, M/F 220-1W J RSF(S)				
C810	87-A10-728-080	CAP, E 680-10 M LXV	R406 87-029-158-060 RES, FUSE 1-1W J				
C811	87-018-131-080	CAP, CER 1000P-50V	R407 87-029-158-060 RES, FUSE 1-1W J				
C812	87-A10-645-010	CAP, M/P 0.01-1K J MMH	R503 87-025-429-080 RES, M/F 47K-1/6W F				
C813	87-012-372-010	CAP, CER 1000P-2K	R507 87-A00-214-090 RES, M/F 1.5-1W J RSF(S)				
C814	87-A11-324-090	CAP, M/P 1000P-1.6K H ECWH(VB)	R603 87-A00-247-090 RES, M/F 100-3W J RSF				
△ C815	87-012-397-010	CAP, CER 1000P-2K BN	R605 87-A00-300-090 RES, M/F 2.2-1W J RSF(F)				
C816	87-A10-731-090	CAP, E 220-160 M KMF	R610 87-A00-225-090 RES, M/F 2.2K-5W J RSV5				
C817	87-A10-756-090	CAP, E 100-160 M KMF	R611 87-A00-196-090 RES, M/F 0.47-1/2W J RSF(S)				
C819	87-016-576-080	CAP, E 330-16 SSL	R804 87-A00-224-090 RES, SD 8.2M-1W J CE				
C821	87-016-588-090	CAP, E 2200-25 SSL	R805 87-A00-333-090 RES, M/F 100K-3W J RSS				
C822	87-016-587-090	CAP, E 1000-25 M SSL	R806 87-A00-287-090 RES, CEM 0.33-5W K RGC5				
C823	87-016-627-080	CAP, E 47-16 SSL	R807 87-A00-333-090 RES, M/F 100K-3W J RSS				
C824	87-016-583-080	CAP, E 100-25 SSL	R808 87-A00-243-090 RES, M/F 22-1W J RSF(S)				
C825	87-A10-469-080	CAP, CER 2200P-500 K B DD10	R809 87-A00-332-090 RES, CEM 1-10W J RGC				
CF201	84-LB3-627-010	FLTR, SFSH 4.5MDB SIF	R810 87-A00-332-090 RES, CEM 1-10W J RGC				
CF202	84-LB3-626-010	FLTR, TPS4.5MB2	R812 87-A00-170-090 RES, M/F 82K-3W J RSF(S)				
CN401	87-099-043-010	CONN, 2P EH	R815 87-A00-199-090 RES, M/F 12K-3W J RSF(S)				
CN601	87-099-675-010	CONN, 5P V V	R816 87-A00-223-090 RES, M/F 47K-2W J RSF(S)				
CN801	87-099-454-010	CONN, 2P TV-50 EYLET	SF201 87-A90-694-010 FLTR, SAW TSF1239P				
△ CN802	87-099-674-010	CONN, 2P VA V	SFR201 87-024-433-080 SFR, 10K H RH063MC				
D1	87-070-110-010	LED, SLP-181B-51 RED	SFR301 87-024-432-080 SFR, 4.7K H RH063MC				
△ F801	87-035-489-010	FUSE, 4A 125V T237	SFR302 87-024-434-080 SFR, 22K H RH063MC				
FB801	87-003-320-080	F-BEAD, -9.0 FBR07HA121NB-00	SFR303 87-024-434-080 SFR, 22K H RH063MC				
FB802	87-003-320-080	F-BEAD, -9.0 FBR07HA121NB-00	SFR501 87-024-587-080 SFR, 47K DIA6 EVM				
FB803	87-003-320-080	F-BEAD, -9.0 FBR07HA121NB-00	SW2 87-A90-712-080 SW, TACT EVQ11L07K				
FB804	87-003-320-080	F-BEAD, -9.0 FBR07HA121NB-00	SW3 87-A90-712-080 SW, TACT EVQ11L07K				
FB805	87-003-320-080	F-BEAD, -9.0 FBR07HA121NB-00	SW4 87-A90-712-080 SW, TACT EVQ11L07K				
△ FC801	87-033-213-080	FUSE CLAMP, PFC5000	SW5 87-A90-712-080 SW, TACT EVQ11L07K				
△ FC802	87-033-213-080	FUSE CLAMP, PFC5000	SW6 87-A90-712-080 SW, TACT EVQ11L07K				
FR601	87-A00-063-060	RES, FUSE 2.2-1/2W J R-TYPE	SW7 87-A90-712-080 SW, TACT EVQ11L07K				
FR602	87-A00-052-060	RES, FUSE 3.9-1W J R-TYPE	SW501 87-A90-567-010 SW, LVR 4-1-3 EVQRAAL10				
FR604	87-A00-051-060	RES, FUSE 2.7-1W J R-TYPE	△ SW801 87-A90-364-010 SW, PUSH SDDLB1-C-D-2				
FR605	87-A00-049-060	RES, FUSE 2.2K-1/2WJ R-TYPE	T601 84-LB3-607-010 FBT, FTK-14B011				
FR801	87-A00-081-090	RES, FUSE 1-1/2W	△ T602 84-LB3-651-010 TRANS, HD MS-101N				
HLL1	84-LB3-216-010	HLDR, LED	△ T801 87-JBC-627-110 PT, SWT 7JB				
J401	87-A60-420-010	JACK, 3.5 ST(MSC)	△ TH801 87-A90-830-010 POS-THMS, PTH451C463BF9R0Q270				
J701	87-A60-321-010	JACK, PIN 2P BLK-Y	TU101 87-A90-660-010 TU UNIT, BTP-AB455				
J702	8Z-JBJ-604-010	JACK, PIN 2P Y YKC-7181	X1 87-030-212-080 VIB, CER 8.000MHZ CST				
L1	87-005-614-080	COIL, 100UH LAV35 J	X301 87-A70-007-080 VIB, XTAL 3.58MHZ AQC-1001				
L2	87-005-614-080	COIL, 100UH LAV35 J	X302 87-A70-017-010 VIB, CER 503KHZ F45				
L101	87-005-614-080	COIL, 100UH LAV35 J	NK C.B.				
L102	87-005-608-080	COIL, 33UH J LAV35					
L201	84-LB2-684-010	COIL, TRAP 47.25MHZ SA					
L202	87-003-140-080	COIL, 0.82UH K LAL02	C901 87-018-128-080 CAP, CERA-SOL SS 560P				
L203	84-LB2-681-010	COIL, VCO 45.75MHZ SA	C902 87-018-128-080 CAP, CERA-SOL SS 560P				
L204	87-005-604-080	COIL, 15UH J LAV35	△ C903 87-018-128-080 CAP, CERA-SOL SS 560P				
L205	87-003-146-080	COIL, 15UH LAL02	△ C905 87-012-397-010 CAP, CER 1000P-2K BN				
L206	84-LB2-682-010	COIL, AFT 45.75MHZ SA	CN901 87-049-469-010 CONN, 4P V				
L207	84-LB2-683-010	COIL, SIF 4.5MHZ SA	CN902 87-009-033-010 CONN, 5P				
L208	87-005-485-080	COIL, 100UH J FLR50	CN903 87-A60-485-010 CONN, 2P V LV GRA				

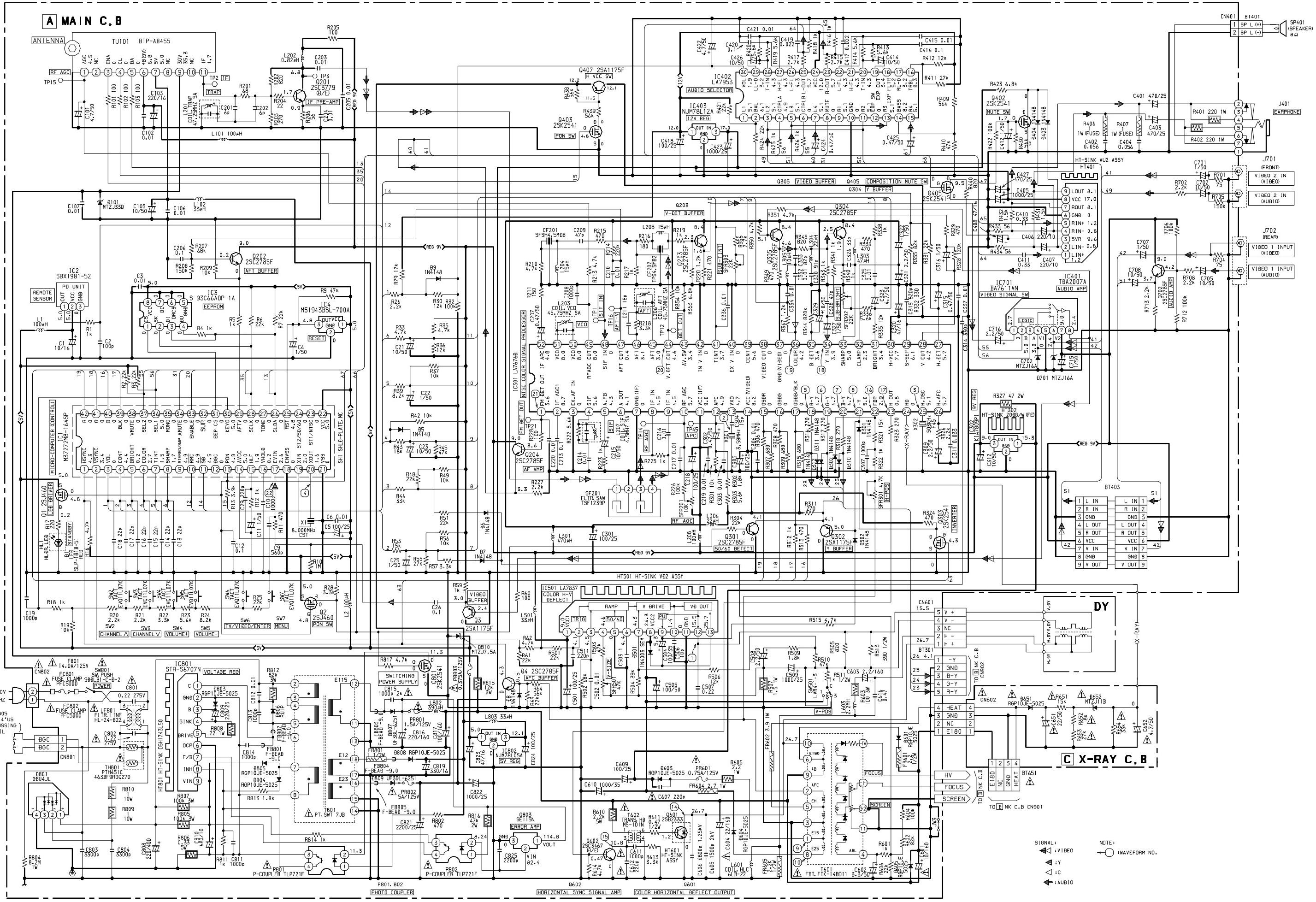
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
L901	87-005-615-080		COIL, 120UH J LAV35				X-RAY C.B
R904	87-A00-165-090		RES,M/F 15K-2W J RSF(S)	△ BT651	87-JBG-626-010		CONN ASSY,4P V WHT TV-NK
R905	87-A00-165-090		RES,M/F 15K-2W J RSF(S)	△ C651	87-016-638-080		CAP,E 22-50 SSL
R906	87-A00-165-090		RES,M/F 15K-2W J RSF(S)	△ C652	87-016-636-080		CAP,E 4.7-50 SSL
R907	87-025-355-080		RES,M/F 100-1/6W F	△ CN602	8Z-JB1-610-010		CONN,4P TXX B TO B
S901	84-LB3-610-010		SOCKET,CRT HPS1171	△ R651	87-025-380-080		RES,M/F 15K-1/6W F
SFR901	87-024-519-080		SFR,470 DIA6 V NTP	△ R652	87-025-381-080		RES,M/F 18K-1/6W F
SFR902	87-024-519-080		SFR,470 DIA6 V NTP	△ R653	88-121-273-080		RES,27K-1/8W J
SFR903	87-024-521-080		SFR,2.2K DIA6 V NTP	△ R654	88-121-333-080		RES,33K-1/8WJ
SFR904	87-024-521-080		SFR,2.2K DIA6 V NTP				
SFR905	87-024-521-080		SFR,2.2K DIA6 V NTP				

### ⚠ Safety Components Symbol

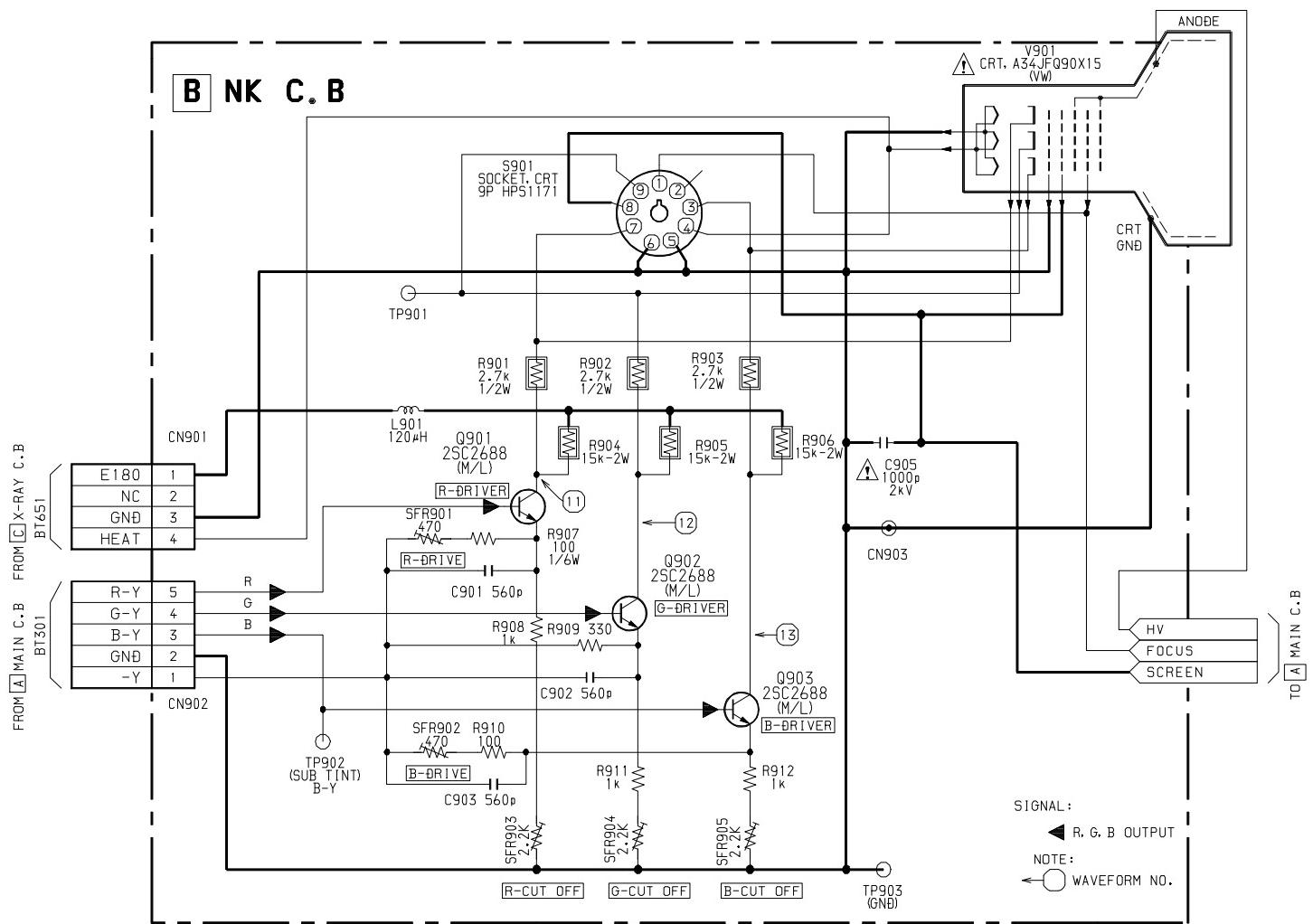
This symbol is given to important parts which serve to maintain the safety of the product, and which are made to confirm to special Safety Specifications.

Therefore, when replacing a component with this symbol make absolutely sure that you use a designated part.

## SCHEMATIC DIAGRAM – 1 (MAIN / X-RAY)



# SCHEMATIC DIAGRAM – 2 (NK)





**アイワ株式会社** 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)  
**AIWA CO., LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111